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Money Counter Application

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Abstract: *Now a day's Money Counter Machine available but it's not portable and small size. Today widely use of money counter in mall, bank, company. It count and easily but it size is very big and it's not portable. Our project is money counter application. We can count money or currency using mobile application. We can count money with mobile application in our application. We use mobile camera and count money. It is very easy to use and portable. We can count money any time and every place because this application in our mobile phone. It is more flexible and portable.*

I.INTRODUCTION

The first automatic bill counting machines (or money counting machines) were introduced in the 1920s in the United States and were produced by the Federal Bill Counter Company of Washington, D.C. These machines were designed to increase efficiency in tellers in the Federal Reserve Bank and reduce human error. The machine would stop once a set "batch" of notes was reached allowing a teller to insert a wooden block to keep batches separate. Modern counting machines use a technology developed by Tokyo Calculating Machine Works of Shinagawa, Tokyo and introduced in 1962. It quickly dominated the market for increased speed and accuracy.

In 1981 computerized friction note counters were introduced in the form of the REI High-Speed machine, which sped up note counting to 72,000 notes per hour and eliminated the need manual sorting and counting completely. This innovative Sorter machine could also sort notes according to their value and remove counterfeit or heavily damaged notes. Many of these features are present in today's note counting machines, some of which can detect a note's security features (e.g. magnetic ink, ultraviolet ink, magnetic strip, note density etc.) to identify counterfeit and damaged notes.[1]

Our project is related mobile application. Our project is one type of android application. Application count money with help of camera our can count money easily. It is simple and easy operation money counter mobile application is automatic and accurate calculation.

The research paper is further divided into following sections: section 2 Related work, Section 3 Classification, Section 4 Analysis, Section 5 Conclusion and references.

II.RELATED WORK

A note counter has an input roller just below the hopper (where you place the notes). Once the notes are placed in the hopper, the start/stop sensor recognises their presence and automatically starts the counting process: The input roller spins, which transports the banknote to the centre of the machine. At this point the note counter counterfeit detection features check the banknote and the counting sensors register the note counter has counted a banknote. Finally the output roller transports the banknote to the stacker impeller (the circular propeller like component), which transports the banknote to the stacker. A diagram of a note counter is below:

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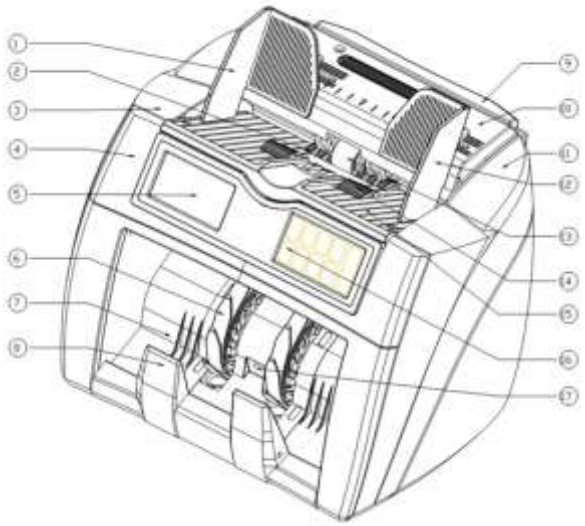

(1)Top cover

(2) Right cover

(3) Right hopper guide

(4) Upper aft banknote feeding wheel

(5) Forward banknote feeder wheels

(6) Hopper

(7) Control panel

(8) Stacker start/stop Sensor

9) Left hopper guide

(10) Lower aft banknote feeder wheels

(11) Left cover

(12) Control panel cover

(13) LCD screen

(14) Stacker impeller

(15) Stacker panel

(16) Stacker

(17) Handle [2

III.CLASSIFICATION

Our money counters work in android mobile. This application work in using camera. That application work java, php and dot net language used. You can use HTML5, CSS and PHP for web based apps but web based apps are different from the native apps. You have to develop them for every platform since we based apps behaves differently on different platforms. Moreover, having knowledge of C++ will make everything easier. If you know C++ you can easily learn Java. Having these 2 languages will definitely help you in the long run. Android programming is development for Android platform. Android development uses Java as stated earlier. Large parts of Android are written in Java. Hence learning Java will really help.[3] Mobile application development in ASP.NET is similar to traditional ASP.NET web application development. And it is very easy for ASP.NET developer to develop mobile application. All mobile web pages are inheriting from **Mobile Page** class which exists in **System.Web.UI.Mobile**

Controls namespace.ASP.NET exposes a **System. Web Mobile** namespace is for specifically to Web development.[4]

IV. ANALYSIS

One of the major reasons that businesses and companies use money counters is because of the amount of time it saves them. Counting notes by hand is time consuming and is usually carried out two or three times to make sure the numbers are correct to correct any human error. A money counter is 100% correct every time and they take only a few seconds to count a hundred notes. The time they save from using a money counter can be put to better use within the business.

V.CONCLUSION AND FUTURE WORKS

Our project is money counter with mobile application. Our project work do that the money count using camera and accurate counting will be done and display on mobile. And this app is work on java,php,dot net programming language. Camera through display the currency for ex: 10,50,100,500,1000 rupees display. one calculator we become for count the money. That calculator all money count for ex: 100 rupees 10 notes then calculator count and display 1000 rupees.

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